

## 02-043. Alaska Subsistence Fisheries Database GIS Integration, Final

### **ABSTRACT**

The Alaska Subsistence Fisheries Database GIS (ASFDB GIS) incorporates subsistence salmon permit harvest data with a series of maps depicting Alaska communities and the locations of harvests around the state. This project is similar to the Southeast Alaska GIS (FIS00 039, FIS01 103, FIS02-038), in which existing subsistence permit data from Southeast Alaska were received from the Alaska Department of Fish and Game, Division of Commercial Fisheries, and transferred to the digital map interface. This project includes Division of Commercial Fisheries subsistence permit harvest data from Alaska Peninsula and Kodiak Island communities; other fisheries that require permits around the state do not have a standardized method of reporting harvest location, and are therefore not included in this project's GIS database. Harvest locations are visible on the digital maps of Alaska, and can be sorted and queried based on harvester's community of residence, total years' quantity of harvest, number of permits fished at a given location, and yearly harvests for a given location. Data can be copied from the project and used as a map overlay in other GIS projects, or in tabular form. By depicting the harvests spatially, the ASFDB GIS assists fisheries management by highlighting the geographic characteristics and relationships of subsistence harvests.

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